

HEADWATER DIVERSION CHANNEL BASIN

07020200 PICKLE CREEK AT HAWN STATE PARK
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°50'05", long 90°13'48, in NE 1/4 NW 1/4 sec.14 T.36 N., R.7 E., Ste. Genevieve County, at foot bridge on walking trail 200 ft downstream from camping area in Hawn State Park.

PERIOD OF RECORD.--November 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DEMAND, (PER-CENT (HIGH SATUR-ATION) (mg/L) (00301)	OXYGEN, DEMAND, CHEM-ICAL (µm-MF (COLS./ 100 mL) (31625)	COLI-FORM, FECAL, 0.7 KF AGAR (COLS. PER 100 mL) (31673)	STREP-TOCOCCI, WAT WH TOT FET FIELD (mg/L as CaCO ₃) (00410)	ALKA-LINITY
NOV 22...	0730	0.48	2.0	60	6.7	13.1	96	--	K8	22	17
JAN 17...	1700	2.8	9.5	44	6.3	10.8	93	<10	K9	K16	9
MAR 04...	1530	1.0	6.5	54	6.9	13.7	109	--	20	K5	16
APR 10...	0900	1.9	5.5	54	6.7	12.5	97	--	K7	31	19
JUN 24...	1530	0.73	27.0	49	6.6	7.6	97	<10	22	240	15
AUG 19...	1555	0.70	25.0	51	7.1	6.8	80	--	230	190	16

DATE	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CAR-BONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITRO-GEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITRO-GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD-NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV 22...	19	0	<0.020	<0.010	0.010	<0.20	<0.020	0.010	--	--
JAN 17...	10	0	0.020	<0.010	0.020	0.21	<0.020	<0.010	23	4.4
MAR 04...	18	0	<0.020	<0.010	0.030	<0.20	<0.020	0.010	--	--
APR 10...	20	0	<0.020	<0.010	0.010	<0.20	0.020	<0.010	--	--
JUN 24...	18	0	0.100	<0.010	0.020	<0.20	0.020	<0.010	17	3.6
AUG 19...	20	0	<0.020	<0.010	<0.010	0.23	<0.020	<0.010	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTAS-SIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO ₄) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)
JAN 17...	2.8	2.2	1.3	11	2.5	<0.10	50	<1	70	70
JUN 24...	2.0	3.2	1.5	7.1	2.1	<0.10	56	1	50	46

DATE	CADMIUM TOTAL RECOV-ERABLE (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV-ERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGA-NESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY RECOV-ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV-ERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 17...	<1	<1.0	<1.0	250	1	<1.0	35	<0.10	5	5.0
JUN 24...	<1	<1.0	<1.0	390	1	<1.0	18	<0.10	2	1.2

K--Results based on colony count outside the acceptable range (non-ideal colony count).